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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,855	10/03/2003	Takeshi Matsumura	UNIU79.014AUS	2454
20995	7590	06/14/2005	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP			SCHILLINGER, LAURA M	
2040 MAIN STREET			ART UNIT	
FOURTEENTH FLOOR			PAPER NUMBER	
IRVINE, CA 92614			2813	

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/678,855

Applicant(s)

MATSUMURA ET AL.

Examiner

Laura M. Schillinger

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 March 2005.
2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
4a) Of the above claim(s) 6, 7 and 9-14 is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-5 and 8 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3/28/05
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claims 1-5 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Applicant's amended claim language cannot be examined because the Examiner cannot understand what is being claimed.

Claim 1 recites wherein an interface (interface 1) between the pressure-sensitive adhesive layer (layer 1) and the die bonding adhesive layer (layer 2) comprises (interface 2) an interface (A) corresponding to a work attaching region (layer 3) in the die bonding adhesive layer (layer 4) and an interface (interface 3) (B) corresponding to a part or a whole of a region other than the work-attaching region (layer 5), and **releasability between the pressure-sensitive adhesive layer and the die bonding adhesive layer at the interface (A) is higher than the releasability at the interface B.** The Examiner expects interface 3 to describe an interface between two layers- that is, layer 5 and a layer 6? However Applicant's claim language recites interface 3 to be between layer 5 and a releasability which is not a structural layer. How this interface relates to the original interface 1 is still unclear. Further, Applicant should identify where in the specification Applicant has support for the amended claim language.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Senoo et al ('016).

In reference to claim 1, Senoo et al teaches a dicing/die bonding film comprising:

A pressure sensitive adhesive layer on a supporting base material and a die bonding adhesive layer on the pressure sensitive adhesive layer (Col.5, lines: 40-67),

Wherein releasability in an interface between the pressure-sensitive adhesive layer and the die bonding adhesive layer is different between an interface (A) corresponding to a work-attaching region in the die-bonding adhesive layer and an interface (B) corresponding to a part or a whole of region; other than the work-attaching region and the releasability of the interface (A) is higher than the releasability of interface (B) (Col.6, lines: 5-30)

In reference to claim 2, Senoo et al teaches wherein adhesion of the pressure-sensitive adhesive layer to the die-bonding adhesive layer is different between a region corresponding to the work-attaching region in the die-bonding adhesive layer and a region corresponding to a part or the whole of the other region and satisfies the relation:

The adhesion of the region(a) is lower than the adhesion of region (b) (Col.6, lines: 5-10).

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In reference to claim 3, Senoo et al teaches wherein adhesion of the work-attaching region in the die-bonding adhesive layer to a work to the region(a) satisfies the relationship:

The adhesion to the work is higher than the adhesion to the region (a) (Col.6, lines” 5-10).

In reference to claim 4, Senoo et al teaches wherein the part of the region other than the work-attaching region in the die bonding adhesive layer is a dicing ring-attaching region (ring frame 1-Col.6, lines: 1-5).

In reference to claim 5, Senoo et al teaches wherein adhesion of the dicing ring-attaching region in the die-bonding adhesive layer to dicing ring and to a region (b') corresponding to the dicing ring-attaching region satisfies the relationship:

The adhesion to the dicing ring is lower than the adhesion to the region (b') (Col.6, lines: 5-15).

In reference to claim 8, Senoo et al teaches wherein the pressure-sensitive adhesive layer is made of a radiation-curing pressure-sensitive adhesive and the region (a) corresponding to the work-attaching region is irradiated with radiations (Col.6-7, lines: 60-20).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

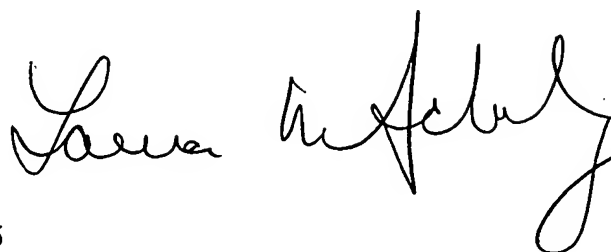
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to read 'Laura M Schillinger', written in a cursive style.

Laura M Schillinger
Primary Examiner
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06/06/05